

**Chapter 4 Preview**  
Congruent Triangles  
Geometry

Name \_\_\_\_\_

Date \_\_\_\_\_

**Define the following:**

- |                         |                            |
|-------------------------|----------------------------|
| 1. Acute Triangle       | 11. Flow Proof             |
| 2. Auxiliary Line       | 12. Included Angle         |
| 3. Base Angles          | 13. Included Side          |
| 4. Congruent Polygons   | 14. Isosceles Triangle     |
| 5. Coordinate Proof     | 15. Obtuse Triangle        |
| 6. Corollary            | 16. Remote Interior Angles |
| 7. Corresponding Parts  | 17. Right Triangle         |
| 8. Equiangular Triangle | 18. Scalene Triangle       |
| 9. Equilateral Triangle | 19. Vertex Angle           |
| 10. Exterior Angle      |                            |

**You *should* be able to do the following objectives:**

1. How do you identify and classify triangles by angle measures?
2. How do you identify and classify triangles by side measures?
3. How do you apply the Triangle Angle-Sum Theorem?
4. How do you apply the Exterior Angle Theorem?
5. How do you name and use corresponding parts of congruent polygons?
6. How do you prove triangles congruent using the definition of congruence?
7. How do you use the SSS Postulate to test for triangle congruence?
8. How do you use the SAS Postulate to test for triangle congruence?
9. How do you use the ASA Postulate to test for congruence?
10. How do you use the AAS Postulate to test for congruence?
11. How do you use properties of isosceles triangles?
12. How do you use properties of equilateral triangles?

If you can give a good definition for each term without having to look it up, then you should be ready to identify these terms for application. If you can describe a method as to how to perform each of the objectives, then you should be ready to perform these tasks. If there are any terms or objectives that you are unsure about, then these are the things you want to take extra time studying.

Use this Preview Sheet to help keep yourself organized as we progress through Chapter 4. Refer back to it. Understand the concepts that are included.

**Check the class wiki for summary assignments and bonus.**